

Title (en)

Lighting device comprising a planar lightguide with a light reflecting portion having the shape of an arc of a circle

Title (de)

Beleuchtungseinrichtung mit einer Lichtleiterplatte, die eine kreisbogenförmige, rückstrahlende Reflexionsfläche aufweist

Title (fr)

Dispositif d'éclairage muni d'une nappe de guidage comportant une tranche de renvoi en arc de cercle

Publication

EP 1881265 B1 20091223 (FR)

Application

EP 07112943 A 20070723

Priority

FR 0606717 A 20060721

Abstract (en)

[origin: EP1881265A1] The device (10) has a flat transversal light guiding sheet (12) including an angular sector around a point light source e.g. side-emitter type LED, axis (S). The sector forms an elementary portion of an outer return edge (18), where the portion is conformed in a manner so that a meridian propagation plane (M) of a light ray reaching the portion is perpendicular to points at the portion. The portion is inclined in a manner so that the ray is totally reflected in a direction of a longitudinal optical orientation axis by traversing light ray guiding surfaces (14, 16) to form a linear light beam.

IPC 8 full level

F21S 8/10 (2006.01); **F21W 101/10** (2006.01)

CPC (source: EP)

F21S 43/239 (2017.12); **F21S 43/243** (2017.12); **F21S 43/247** (2017.12)

Cited by

CN110645511A; CZ306475B6; EP2853803A1; EP2784379A1; EP2818791A1; EP2228592A1; FR2943118A1; DE102011018508A1; DE102011018508B4; DE102011018508C5; US8353612B2; US10760768B2; US9528682B2; DE102011104055A1; US8322902B2; US8789991B2; EP2098774A1; FR2928110A1; JP2012243734A; EP3587913B1; EP1992868A1; EP2607774B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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